

NSN: 5180-01-502-9504
PN: DFP-TRI001 CAGE: 19207
DESCRIPTION FOR PURCHASE (DFP)
NO. TRI001, 21 FEBRUARY 2003
FOR
KIT, BATTLE DAMAGE ASSESSMENT & REPAIR (BDAR),
CREW

1. SCOPE

1.1. Scope: This Description For Purchase (DFP) describes a BDAR Crew Kit.

2. APPLICABLE DOCUMENTS

2.1. Government Documents:

BDAR COMPONENTS LIST, CREW (TRI001CL)

(This document is enclosed at the end of this DFP)

2.2. Non-Government Documents

AMERICAN SOCIETY FOR TESTING AND MATERIALS

ASTM-D-3951 – PACKAGING, COMMERCIAL

ASTM A580 – STEEL

(Copies of these documents may be purchased from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshocken, PA 19428-2959)

SOCIETY OF AUTOMOTIVE ENGINEERS

SAE A57928/5 – TERMINAL ENDS AND SPLICES

(Copies of this document may be purchased from the Society of Automotive Engineers, SAE World Headquarters, 400 Commonwealth Drive, Warrendale, PA 15096-0001)

2.3. Order of precedence: In the event of a conflict between the text of this document and the reference cited herein (except for associated detail specifications, specification sheets, or MS standards), the text of this specification shall take precedence. Nothing in this document, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

Attachment 006

3. KIT REQUIREMENTS.

3.1. General Description. The BDAR Crew Kit is an assemblage of commercially available items within a storage bag/container designed to prevent damage of the components during transport via hand-carry, ground vehicle, and aircraft.

3.2. Construction: The BDAR Crew Kit bag/container and components shall be new and without defects. The bag shall be made as specified in the components list drawing TRI0001CL (ref 2.1.). Each BDAR Kit shall be delivered assembled so that it can be immediately used for its intended purpose. The bag/container shall be constructed so as to protect internal components from internal (product in kit causing damage to other kit product) and external damage. **If foam donnage is used, then must ensure not damaged due to spillage where it loses its functional use.**

3.3. Components:

3.3.1. Components of the BDAR Crew Kit shall consist of its carrying bag/container and components as listed in the BDAR Components List, (ref 2.1). **Belzona products will have MSDS requirement sheets in a ziplock bag.** The contractor may package small component parts in individual containers/bags as deemed necessary and to ease inventory. **The box/container shall be constructed of material which will not render the box/container unserviceable due to the products and components within it.**

3.3.2. Reference BDAR Crew Kit Components List, (ref 2.1). Several items within the components list state mandatory sources. The contractor shall provide those components with mandatory sources from those mandatory sources and part numbers provided. Several items within the components list show known sources. These are for informational purposes only and are not mandatory sources. The contractor reserves the right to utilize that known source or any other they deem appropriate to fulfill the requirements of this DFP.

3.3.3. COTS Literature. Some components of the BDAR Crew Kit may have supplemental Commercial Off The Shelf (COTS) literature. The contractor shall insert COTS literature that comes with any component commercially into the BDAR Crew Kit Bag/container. COTS literature includes but is not limited to manuals, instruction sheets, and parts list. All COTS literature shall be packaged together and in a fashion to prevent damage from moisture.

3.4. Components List **Sheets**: The components list(s) **sheet** as called out in the BDAR Crew Kit Components List (ref 2.1) shall be of the contractor's own design. It shall be laminated to be weather resistant. It **should be included or**

packaged with COTS literature. It shall contain the following information:
either Brand Name, Vendor or Source, or Manufacturer and related common part number, item name or nomenclature, unit of issue and quantity in kit. Include the referenced source's CAGE code if applicable.
The top of the components list label shall contain this kits item name (Kit, BDAR, Crew), the Kits NSN (provided by the government), the contract number, and the contractor's name, address, phone number, **maximum weight of entire kit, maximum cube of entire kit, and part number.** If more than one sheet is utilized, they shall be numbered accordingly. The label will **annotate or** indicate by an asterisk **Belzona** components that must meet a MSDS requirement. **Waive acceptance of components list labels on prototypes.**

3.5. Dimensions

3.5.1. Component Dimensions: Component Dimensions shall be in accordance with the BDAR Components List (Ref 2.1). In the event, there is no dimension listed for an individual component, the contractor shall insure that the component that is provided shall fit within the BDAR Crew Kit Bag/container without difficulty.

3.5.2. Loaded Bag Dimensions: Although the Dimensions of the Bag/container are listed in the BDAR Crew Kit Components List (Ref 2.1), it is understood that once a bag is loaded with all of its components, those dimensions may be exceeded. As a result, a fully loaded BDAR Crew Kit bag shall not exceed 15 inches in width.

3.6. Inventorying. Utilizing the Components List Sheet(s) as dictated in 3.3, the entire BDAR Crew Kit shall be capable of being fully inventoried within 10 minutes.

3.7. Drop. A BDAR Crew Kit, at temperatures from -20 degrees F to +120 degrees F, shall withstand being dropped from a height of 36 inches onto a hard floor surface. The BDAR Crew Kit bag/container and components shall not sustain any damage, other than minor denting or scratching that will not affect the performance of any component. The drop shall not cause the bag/container to open.

3.8. Color. The BDAR Crew Kit bag/container shall be Olive Drab Green, Gray, or Black.

3.9. Label. The BDAR Crew Kit shall be labeled on it's exterior with the following information: Kit name (KIT, BDAR, CREW), **and** NSN (provided by the government). The contractor shall label the BDAR Crew kit bag/container directly with 1 – 1 ½ inch stenciled letters using solvent resistant, contrasting color (paint or dye) on the top flap of the bag. The waterproof information must be capable of withstanding the effects of outside environmental conditions

such as moisture, sand, and wind as well as the kits products. Solvent as mentioned in this requirement is defined as engine motor oil, transmission fluid, hydraulic fluid, diesel fuel, antifreeze, and bearing grease.

3.10. Weight. Fully loaded, the BDAR Crew Kit shall not exceed 25 lbs.

4. VERIFICATIONS

4.1. General: Product verification shall be performed in accordance with the following requirements.

4.1.1. Responsibility for verification: Unless otherwise specified in the contract, the contractor is responsible for the performance of all verifications requirements as specified herein. Except as otherwise specified in the contract, the contractor may use his own or any other facilities suitable for the performance of the verifications requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the verifications set forth in the specifications where such verifications set forth in the specification where such verifications are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.2. Responsibility for compliance: All delivered BDAR Crew Kits shall meet all requirements herein.

4.1.3. Product Examination: Visually, dimensionally, and manually examine each kit to determine conformance with the requirements herein. Visual examination shall include verification of completeness of manufacturing and assembly, proper cleaning, and that all components are free of defects. Failure of any kit to pass any examination shall result in the rejection of the kit.

4.2. Construction Examination: Visually inspect the BDAR Crew Kit Bag/container and components to insure the bag and components are new and without defects (see 3.2). Visually inspect the BDAR Crew kit to insure it is fully assembled and ready for immediate use (see 3.2). Any BDAR Crew kit found to have used or defective components shall result in the rejection of the kit. Any BDAR Crew kit found not ready for immediate use shall result in the rejection of the kit.

4.3. Component Verification:

4.3.1. Visually inspect the BDAR Crew Kit and insure it has all components as required in 3.3.1. Verify that all components fit within the bag/container and that the container can be completely closed once all components are placed inside. Visually inspect the BDAR kit and insure it contains MSDS as required in 3.3. Any BDAR Crew kit found to have missing components or without the required MSDS shall result in the rejection of the kit.

4.3.2. Visually inspect the BDAR Crew Kit and insure that components that have mandatory sources listed the components list are in fact those components from that mandatory source and with that part number (ref 3.3.2.). Any BDAR Crew kit found to have a component with a stated mandatory source that is not in fact from that mandatory source shall result in rejection of the kit.

4.3.3. COTS Verification. (Only required for prototype). The contractor shall submit a written Certificate of Conformance stating that any and all COTS literature is provided for components within the BDAR Crew Kit. The government reserves the right to perform a visual inspection to check for COTS literature. Failure of a contractor to submit the Certificate of Conformance as stated above shall result in the rejection of the kit.

4.4. Components List **Label** Verification: Visually inspect the BDAR Crew Kit and insure it has a Components List **Label** as required in 3.4. Verify that the **label(s)** contain all required information as stated in 3.4. Verify that the **label** is laminated. Verify that if more than one **label** is used, it is numbered accordingly. Verify that the components list **label** contains all the required components as dictated in 3.3.1. Any BDAR Crew kit found to have a missing, incorrect, deficient, or unlaminated Components List **Label(s)** shall result in the rejection of the kit.

4.5. Dimension Verifications:

4.5.1. Component Dimension Verifications: Visually examine and measure the BDAR Crew kit components to insure they conform to the requirements stated in 3.5.1. Visually examine and insure that all components fit easily within the BDAR kit bag/container. Any BDAR kit components found to exceed the prescribed dimensions or that do not fit within the BDAR Crew kit bag shall result in the rejection of the kit.

4.5.2. Loaded Bag Dimension Verification: Visually examine and measure the BDAR Crew kit as a whole. Verify that the dimensions are within the limits as set forth in 3.5.2. Any BDAR Crew kit found to exceed the prescribed dimensions shall result in the rejection of the kit.

4.6. Inventory Verification: Visually inventory the entire BDAR Crew Kit while under a time watch. Verify that every component can be physically removed from the kit one at a time. Verify within a 10-minute timeframe that each component on the components list is present in the kit. Any BDAR Crew kit that cannot be inventoried within the allotted 10-minute timeframe by trained personnel (military users) shall result in the rejection of the kit.

4.7. Drop Verification: (Only required for the prototype). Under current weather condition at the time of the test, drop a fully assembled and closed BDAR Crew kit from a distance of 36 inches onto a hard surface. The drop shall not cause the

Bag/Container to open. Visually inspect each component and verify that none have sustained damage that shall effects the performance of the component. Minor denting or scratching of components shall be considered acceptable provided that component can still be utilized for its intended purpose. Any BDAR Crew kit that opens due to the drop test, damage to any component which exceeds minor denting or scratching, or any component found to be damaged to the point it cannot be used shall result in the rejection of the kit. The government reserves the right to request additional testing at the temperature extremes of -20 to +120 deg F.

4.8. Color Verification: Visually inspect the BDAR Crew kit bag/container and insure it is Olive Drab Green.

4.9. Label Verification: Visually inspect the BDAR Crew kit bag/container and locate the label. Insure it is in the correct location as specified in 3.9. Insure the label is waterproof. Insure the label contains all the necessary information required in 3.9. Any labeling that does not meet the requirements as specified in 3.9. shall result in the rejection of the kit.

4.10. Weight: Physically weigh a complete BDAR Crew Kit and verify that it does not exceed 25 lbs. Any BDAR Crew Kit that exceeds the 25 lb requirement shall result in rejection of the kit.

4.11. Packaging. Verify that preservation, packing, and packaging are in accordance with the contractor's best commercial practice per ASTM-D-3951 and the requirements herein. Failure to meet the requirements of ASTM-D-3951 and the requirements herein shall be cause for rejection (see paragraph 5).

5. PRESERVATION, PACKING, AND PACKAGING

5.1. Preservation, Packing and Packaging. Preservation, Packing and Packaging shall be in accordance with ASTM-D-3951 plus the following additional requirements:

- a. If oak or chestnut wood products are used in the performance of this contract, these wood or wood products must be free of all bark.
- b. All non-manufactured wood used in packaging shall be heat-treated to a core temperature of 56 degrees Celsius for a minimum of 30 minutes. The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall be affiliated with an inspection agency accredited by the Board of Review of the American Lumber Standard Committee. Each box/pallet shall be marked to show the conformance to the International Plant Protection Convention Standard. Boxes/pallets and any wood used as inner packaging made of non-manufactured wood shall be heat-treated. The quality mark shall be placed on both ends of the outer packaging, between the end cleats or end battens; on two sides of the pallet.
This is not applicable for this contract.

- c. Unless otherwise specified herein, shipments to the same destination of identical items having a total packaged displacement exceeding 50 cubic feet shall be palletized unless forklift - handling features such as skids are included on containers.
 - d. Workmanship shall be such that when proper procedure is followed, materials and equipment being processed will be provided the maximum protection against corrosion, deterioration, and be suitable for storage to the level of packaging specified.
 - e. If the items are packaged in more than one box the boxes shall be marked ie., 1 of 3, 2 of 3, 3 of 3 etc.
- 5.2. Marking: Container markings shall be in capital letters of equal height, shall be proportionate to the available marking space and shall contain the following information (if applicable) in the order listed. **This is not applicable for this contract.**
- a. NSN/NATO stock number. (if applicable)
 - b. CAGE code of the company awarded the contract, and part number of the item as specified in the contract.
 - c. Quantity and unit of issue.
 - d. Level of protection and date packed.
 - e. Contract or purchase order number.
- 5.3. Marking on the shipping container. Markings on the shipping container shall be grouped into three distinct categories, identification markings, contract data markings and address markings.
- 5.3.1. Identification Markings: (as applicable)
- a. NSN/NATO stock number. (if applicable)
 - b. CAGE code of the company awarded the contract, and part number of the item as specified in the contract.
 - c. Quantity and unit of issue
 - d. Level of protection and date packed.
 - f. Gross weight and cube.
 - g. Item description or nomenclature.

5.3.2. Contract Data Marking: (as applicable) The contract data marking placed under the identification markings, shall consist of the contract or purchase order number.

5.3.3. Address Markings: The address markings placed to the right of the identification and contract data markings (if space is available) shall consist of the following information in the order shown.

- a. Control number or reference number (as a minimum, the Transportation Control Number (TCN) shall be provided as the single standard shipment identification number)
- b. FROM MILITARY: Name and address of consignor (DOD Activity Address Code) and in the clear address if applicable
- c. FROM CONTRACTOR: Name and address of the contractor (including nine-digit zip code). When supplies are shipped from a subcontractor, only the name and address of the company awarded the contract shall be used.
- d. TO: Name and address of consignee (DOD Activity Address Code (DODAAC) and in the clear Address if applicable
- e. Piece number and total pieces (if more than one shipping container is used for the order).

6. NOTES. The following information is general in nature and is not mandatory in this DFP but only to provide additional information.

- 6.1. Intended Use. The intended use of this DFP is to obtain a BDAR Crew Kit for field use. This Kit shall be utilized by Crew personnel to perform emergency repair of systems to allow the system to continue on with the mission or to allow it to retreat back for more complete repair.
- 6.2. DFP Basis. This DFP was written to fulfill Combat Developer requirements for a BDAR Crew Kit.

6.3. Definitions:

A.K.A. Also Known As – Used to provide a common commercial name for components listed in the DFP and DFP Components List.

BDAR Battle Damage Assessment & Repair

CAGE Commercial And Government Entity – A code assigned to a contractor or government activity/command consisting of 5 alpha or numeric characters.

OEM Original Equipment Manufacturer

NSN National Stock Number

PN Part Number

6.4. This DFP TRI001 was prepared by CAGE 19207. Address is:

U.S. TANK-AUTOMOTIVE AND ARMAMENTS COMMAND
ROCK ISLAND ARSENAL SITE

ATTN: AMSTA-LC-CTT
ROCK ISLAND, IL 61299-7630
(309) 782-2759
(309) 782-5107
(309) 782-4765

NSN: 5180-01-502-9507
PN: DFP-TRI002 CAGE: 19207
DESCRIPTION FOR PURCHASE (DFP)
NO. TRI002, 21 FEBRUARY 2003
FOR
KIT, BATTLE DAMAGE ASSESSMENT & REPAIR (BDAR),
MAINTAINER

1. SCOPE

1.1. Scope: This Description For Purchase (DFP) describes a BDAR Maintainer Kit.

2. APPLICABLE DOCUMENTS

2.1. Government Documents:

BDAR COMPONENTS LIST, MAINTAINER (TRI002CL)

(This document is enclosed at the end of this DFP)

2.2. Non-Government Documents

AMERICAN SOCIETY FOR TESTING AND MATERIALS

ASTM-D-3951 – PACKAGING, COMMERCIAL

ASTM A580 – STEEL

(Copies of these documents may be purchased from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshocken, PA 19428-2959)

SOCIETY OF AUTOMOTIVE ENGINEERS

SAE A57928/5 – TERMINAL ENDS AND SPLICES

(Copies of this document may be purchased from the Society of Automotive Engineers, SAE World Headquarters, 400 Commonwealth Drive, Warrendale, PA 15096-0001)

2.3. Order of precedence: In the event of a conflict between the text of this document and the reference cited herein (except for associated detail specifications, specification sheets, or MS standards), the text of this specification shall take precedence. Nothing in this document, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

A. Haldeman 007

3. KIT REQUIREMENTS.

3.1. General Description. The BDAR Maintainer Kit is an assemblage of commercially available items within a storage box designed to prevent damage of the components during transport via hand-carry, ground vehicle, and aircraft.

3.2. Construction: The BDAR Maintainer Kit box and components shall be new and without defects. Each BDAR Maintainer Kit shall be delivered assembled so that it can be immediately used for its intended purpose. The box shall be made as specified in the components list drawing TRI0002CL (ref 2.1.). The box shall be constructed so as to protect internal components from internal (product in kit causing damage to other kit product) and external damage. If foam donnage is used, then must ensure not damaged due to spillage where it loses its functional use.

3.3. Components:

3.3.1. Components of the BDAR Maintainer Kit shall consist of its carrying tool box/container and components as listed in the BDAR Components List, (ref 2.1). **Belzona products will have MSDS requirement sheets in a zip lock bag.** The contractor may package small component parts in individual containers/bags as deemed necessary and to ease inventory. The box/container shall be constructed of material which will not render the box/container unserviceable due to the products and components within it.

3.3.2. Reference BDAR Maintainer Kit Components List, (ref 2.1). Several items within the components list state mandatory sources. The contractor shall provide those components with mandatory sources from those mandatory sources and part numbers provided. Several items within the components list show known sources. These are for informational purposes only and are not mandatory sources. The contractor reserves the right to utilize that known source or any other they deem appropriate to fulfill the requirements of this DFP.

3.3.3. COTS Literature. Some components of the BDAR Maintainer Kit may have supplemental Commercial Off The Shelf (COTS) literature. The contractor shall insert COTS literature that comes with any component commercially into the BDAR Maintainer Kit Box. COTS literature includes but is not limited to manuals, instruction sheets, and parts list. All COTS literature shall be packaged together and in a fashion to prevent damage from moisture.

3.4. Components List Label(s): The components list(s) label as called out in the BDAR Maintainer Kit Components List (ref 2.1) shall be of the contractor's own design. It shall be **solvent and** weather resistant. It shall be permanently affixed. It shall contain the following information: **either Brand Name, Vendor or**

Source, or Manufacturer and related common part number, item name or nomenclature, unit of issue and quantity in kit. Include the referenced source's CAGE code if applicable. The top of the components list label shall contain this kits item name (Kit, BDAR, Maintainer), the Kits NSN (provided by the government), the contract number, and the contractor's name, address, phone number, **maximum weight of entire kit, maximum cube of entire kit, and part number**. If more than one sheet is utilized, they shall be numbered accordingly. The label will **annotate or indicate** by an asterisk **Belzona** components that must meet a MSDS requirement. **Waive acceptance of components list labels for the prototype.**

3.5. Dimensions

3.5.1. Component Dimensions: Component Dimensions shall be in accordance with the BDAR Components List (Ref 2.1). In the event, there is no dimension listed for an individual component, the contractor shall insure that the component that is provided shall fit within the BDAR Maintainer Kit box without difficulty.

3.5.2. Loaded Box Dimensions: The Dimensions of the Box are listed in the BDAR Maintainer Kit Components List (Ref 2.1). A fully loaded BDAR Maintainer Kit shall not exceed the dimensions of the Tool Box as specified in the Components List TRI0002CL (Ref 2.1).

3.6. Inventorying. Utilizing the Components List Sheet(s) as dictated in 3.3, the entire BDAR Maintainer Kit shall be capable of being fully inventoried within 10 minutes.

3.7. Drop. A BDAR Maintainer Kit, at temperatures from -20 degrees F to +120 degrees F, shall withstand being dropped from a height of 36 inches onto a hard floor surface. The BDAR Maintainer Kit box and components shall not sustain any damage, other than minor denting or scratching that will not affect the performance of any component including the box. The drop shall not cause the box to open.

3.8. Color. The BDAR Maintainer Kit box shall be Gray, Olive Drab Green, or black.

3.9. Label. The BDAR Maintainer Kit shall be labeled on it's interior with the following information: Kit name (KIT, BDAR, MAINTAINER), NSN (provided by the government), contract number, contractor's name, weight of entire kit, cube of entire kit, and part number. The interior label will be self-adhesive. The exterior will include only Kit name, BDAR, Maintainer, and NSN. The contractor shall label the BDAR Maintainer box with 1 – 1 ½ inch stenciled letters using solvent resistant, contrasting color (paint or dye) on the front or back of the box, **maintaining consistency**. The waterproof information must be capable of withstanding the effects of outside environmental conditions such as

moisture, sand, and wind as well as the kits products. Solvent as mentioned in this requirement is defined as engine motor oil, transmission fluid, hydraulic fluid, diesel fuel, antifreeze, and bearing grease.

3.10. Weight. Fully loaded, the BDAR Maintainer Kit shall not exceed 40 lbs.

4. VERIFICATIONS

4.1. General: Product verification shall be performed in accordance with the following requirements.

4.1.1. Responsibility for verification: Unless otherwise specified in the contract, the contractor is responsible for the performance of all verifications requirements as specified herein. Except as otherwise specified in the contract, the contractor may use his own or any other facilities suitable for the performance of the verifications requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the verifications set forth in the specifications where such verifications are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.2. Responsibility for compliance: All delivered BDAR Maintainer Kits shall meet all requirements herein.

4.1.3. Product Examination: Visually, dimensionally, and manually examine each kit to determine conformance with the requirements herein. Visual examination shall include verification of completeness of manufacturing and assembly, proper cleaning, and that all components are free of defects. Failure of any case to pass any examination shall result in the rejection of the kit.

4.2. Construction Examination: Visually inspect the BDAR Maintainer Kit Box and components to insure the box and components are new and without defects (see 3.2). Visually inspect the BDAR Maintainer kit to insure it is fully assembled and ready for immediate use (see 3.2). Any BDAR Maintainer kit found to have used or defective components shall result in the rejection of the lot. Any BDAR Maintainer kit found not ready for immediate use shall result in the rejection of the kit.

4.3. Component Verification:

4.3.1. Visually inspect the BDAR Maintainer Kit and insure it has all components as required in 3.3.1. Verify that all components fit within the container and that the container can be completely closed once all components are placed inside. Visually inspect the BDAR Maintainer kit and insure it contains MSDS as required in 3.3. Any BDAR Maintainer kit found to have missing components or without the required MSDS shall result in the rejection of the kit.

4.3.2. Visually inspect the BDAR Maintainer Kit and insure that components that have mandatory sources listed the components list are in fact those components from that mandatory source and with that part number (ref 3.3.2.). Any BDAR Maintainer kit found to have a component with a stated mandatory source that is not in fact from that mandatory source shall result in rejection of the kit.

4.3.3. COTS Verification. (only required for prototype). The contractor shall submit a written Certificate of Conformance stating that any and all COTS literature is provided for components within the BDAR Maintainer Kit. The government reserves the right to perform a visual inspection to check for COTS literature. Failure of a contractor to submit the Certificate of Conformance as stated above shall result in the rejection of the kit.

4.4. Components List **Label** Verification: Visually inspect the BDAR Maintainer Kit and insure it has a Components List **Label** as required in 3.4. Verify that the **label(s)** contain all required information as stated in 3.4. Verify that the **label** is **weather and solvent resistant**. Verify that if more than one **label** is used, it is numbered accordingly. Verify that the components list **label** contains all the required components as dictated in 3.3.1. Any BDAR Maintainer kit found to have a missing, incorrect, deficient, or unlaminated Components List **Label(s)** shall result in the rejection of the kit.

4.5. Dimension Verifications:

4.5.1. Component Dimension Verifications: Visually examine and measure the BDAR Maintainer kit components to insure they conform to the requirements stated in 3.5.1. Visually examine and insure that all components fit easily within the BDAR Maintainer kit box. Any BDAR Maintainer kit components found to exceed the prescribed dimensions or that do not fit within the BDAR Maintainer kit box shall result in the rejection of the kit.

4.5.2. Loaded Box Dimension Verification: Visually examine and measure the BDAR Maintainer kit as a whole. Verify that the dimensions are within the limits as set forth in 3.5.2. Any BDAR Maintainer kit found to exceed the prescribed dimensions shall result in the rejection of the kit.

4.6. Inventory Verification: Visually inventory the entire BDAR Maintainer Kit while under a time watch. Verify that every component can be physically removed from the kit one at a time. Verify within a 10-minute timeframe that each component on the components list is present in the kit. Any BDAR Maintainer kit that cannot be inventoried within the allotted 10-minute timeframe by trained personnel (military users) shall result in the rejection of the kit.

4.7. Drop Verification: (Only required for the prototype). Under current weather condition at the time of the test, drop a fully assembled and closed BDAR Maintainer kit from a distance of 36 inches onto a hard surface. The drop shall

not cause the Bag/Container to open. Visually inspect each component and verify that none have sustained damage that shall effects the performance of the component. Minor denting or scratching of components shall be considered acceptable provided that component can still be utilized for its intended purpose. Any BDAR Maintainer kit that opens due to the drop test, damage to any component which exceeds minor denting or scratching, or any component found to be damaged to the point it cannot be used shall result in the rejection of the kit. The government reserves the right to request additional testing at the temperature extremes of -20 to +120 deg F.

4.8. Color Verification: Visually inspect the BDAR Maintainer kit box and insure it is Gray, **Black**, or Olive Drab Green.

4.9. Label Verification: Visually inspect the BDAR Maintainer kit box and locate the label. Insure it is in the correct location as specified in 3.9. Insure the label is waterproof. Insure the label contains all the necessary information required in 3.9. Any labeling that does not meet the requirements as specified in 3.9. shall result in the rejection of the kit.

4.10. Weight: Physically weigh a complete BDAR Maintainer Kit and verify that it does not exceed 40 lbs. Any BDAR Maintainer Kit that exceeds the 40 lb requirement shall result in rejection of the kit.

4.11. Packaging. Verify that preservation, packing, and packaging are in accordance with the contractor's best commercial practice per ASTM-D-3951 and the requirements herein. Failure to meet the requirements of ASTM-D-3951 and the requirements herein shall be cause for rejection (see paragraph 5).

5. PRESERVATION, PACKING, AND PACKAGING

5.1. Preservation, Packing and Packaging. Preservation, Packing and Packaging shall be in accordance with ASTM-D-3951 plus the following additional requirements:

- a. If oak or chestnut wood products are used in the performance of this contract, these wood or wood products must be free of all bark.
- b. All non-manufactured wood used in packaging shall be heat-treated to a core temperature of 56 degrees Celsius for a minimum of 30 minutes. The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall be affiliated with an inspection agency accredited by the Board of Review of the American Lumber Standard Committee. Each box/pallet shall be marked to show the conformance to the International Plant Protection Convention Standard. Boxes/pallets and any wood used as inner packaging made of non-manufactured wood shall be heat-treated. The quality mark shall be placed on both ends of the outer packaging, between the end cleats or end battens; on two sides of the pallet. **This is not applicable for this contract.**

c. Unless otherwise specified herein, shipments to the same destination of identical items having a total packaged displacement exceeding 50 cubic feet shall be palletized unless forklift - handling features such as skids are included on containers.

d. Workmanship shall be such that when proper procedure is followed, materials and equipment being processed will be provided the maximum protection against corrosion, deterioration, and be suitable for storage to the level of packaging specified.

e. If the items are packaged in more than one box the boxes shall be marked ie., 1 of 3, 2 of 3, 3 of 3 etc.

5.2. **Marking:** Container markings shall be in capital letters of equal height, shall be proportionate to the available marking space and shall contain the following information (if applicable) in the order listed. **This is not applicable for this contract.**

- a. NSN/NATO stock number. (if applicable)
- b. CAGE code of the company awarded the contract, and part number of the item as specified in the contract.
- c. Quantity and unit of issue.
- d. Level of protection and date packed.
- e. Contract or purchase order number.

5.3. **Marking on the shipping container.** Markings on the shipping container shall be grouped into three distinct categories, identification markings, contract data markings and address markings.

5.3.1. **Identification Markings:** (as applicable)

- a. NSN/NATO stock number. (if applicable)
- b. CAGE code of the company awarded the contract, and part number of the item as specified in the contract.
- c. Quantity and unit of issue
- d. Level of protection and date packed.
- f. Gross weight and cube.
- g. Item description or nomenclature.

5.3.2. **Contract Data Marking:** (as applicable) The contract data marking placed under the identification markings, shall consist of the contract or purchase order number.

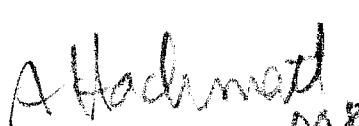
5.3.3. **Address Markings:** The address markings placed to the right of the identification and contract data markings (if space is available) shall consist of the following information in the order shown.

- a. Control number or reference number (as a minimum, the Transportation Control Number (TCN) shall be provided as the single standard shipment identification number)
 - b. FROM MILITARY: Name and address of consignor (DOD Activity Address Code) and in the clear address if applicable
 - c. FROM CONTRACTOR: Name and address of the contractor (including nine-digit zip code). When supplies are shipped from a subcontractor, only the name and address of the company awarded the contract shall be used.
 - d. TO: Name and address of consignee (DOD Activity Address Code (DODAAC) and in the clear Address if applicable
 - e. Piece number and total pieces (if more than one shipping container is used for the order).
6. NOTES. The following information is general in nature and is not mandatory in this DFP but only to provide additional information.
- 6.1. Intended Use. The intended use of this DFP is to obtain a BDAR Maintainer Kit for field use. This Kit shall be utilized by Maintenance personnel (Maintainers) to perform emergency repair of systems to allow the system to continue on with the mission or to allow it to retreat back for more complete repair.
- 6.2. DFP Basis. This DFP was written to fulfill Combat Developer requirements for a BDAR Maintainer Kit.
- 6.3. Definitions:
- A.K.A. Also Known As – Used to provide a common commercial name for components listed in the DFP and DFP Components List.
- BDAR Battle Damage Assessment & Repair
- CAGE Commercial And Government Entity – A code assigned to a contractor or government activity/command consisting of 5 alpha or numeric characters.
- OEM Original Equipment Manufacturer
- NSN National Stock Number
- PN Part Number
- 6.4. This DFP TRI002 was prepared by CAGE 19207. Address is:

U.S. TANK-AUTOMOTIVE AND ARMAMENTS COMMAND
ROCK ISLAND ARSENAL SITE

ATTN: AMSTA-LC-CTT
ROCK ISLAND, IL 61299-7630
(309) 782-2759
(309) 782-5107
(309) 782-4765

NSN: 5180-01-502-9504
 COMPONENTS LIST (TRI001CL) (CAGE: 19207)
 FOR
KIT, BATTLE DAMAGE ASSESSMENT & REPAIR (BDAR),
 CREW (21 FEBRUARY 2003)

NOMENCLATURE	UI	QTY	CHARACTERISTICS	KNOWN SOURCES
1. BAG, TOOL OR CONTAINER	EA	1	<p>MATERIAL: .1000 DENIER NYLON CORDURA. WITH NO LESS THAN 18 OZ VINYL COATED NYLON BOTTOM REINFORCEMENT. BAG SHALL OPEN AT TOP WITH A NYLON ZIPPER WITH NICKEL PLATED ZIPPER PULL. BAG SHALL CONTAIN THREE INTERIOR POCKETS, ONE UNDER TOP OF LID, AND ONE EACH ON EACH LONG SIDE OF BAG.</p> <p>2 CARRYING HANDLES SHALL BE PROVIDED OF NO LESS THAN 1.5 INCH POLYPROPYLENE WEBBING, BLACK AND EXTENDED 16 INCHES ABOVE THE BAG. HANDLES SHALL BE SEWN ON TO ALLOW IT TO CARRY ENTRE KIT WITHOUT TEARING OFF. DIMENSIONS WHILE BAG/CONTAINER IS EMPTY NOT TO EXCEED: 9 INCHES HIGH, 19 INCHES LONG, 11 INCHES WIDE COLOR: OLIVE DRAB</p>	<p>MATERIAL: STAINLESS STEEL IAW ASTM A580 COMPOSITION 302 AND A CONDITION</p> <p>DIAMETER: .020 - .040 INCHES LENGTH: 350 - 1000 feet</p> <p>A.K.A: STAINLESS STEEL SAFETY LOCK WIRE NOT TO EXCEED 1.5 LBS</p>
2. WIRE, NON ELECTRICAL	SPOOL<1&1/2 lb			

3. PUTTY, REPAIR	EA	1	1-BOTTLE, PUTTY, NO LESS THAN 8 OZ, DESIGNED FOR FIBERGLASS, ALUMINUM AND STEEL REPAIR LIGHT SENSITIVE RESIN SHALL BE FURNISHED WITH USAGE INSTRUCTIONS SHALL BE FURNISHED WITH MSDS (IF APPLICABLE)	PN: 7020 (PUTTY ONLY) CAGE: 0BP49 SUNREZ CORP. 392 COOGAN WAY SUITE C EL CAJON, CA 92020 619-442-3353
4. SEALING COMPOUND	TUBE	1	MATERIAL: SILICON COLOR: BLUE TEMPERATURE RATING: -65 DEG TO 500 DEG F AMOUNT: NO LESS THAN 3 OUNCES DESIGNED FOR: MAKING GASKETS A.K.A: BLUE RTV SILICONE	
5. SEALING COMPOUND	TUBE	1	MATERIAL: SILICON COLOR: RED TEMPERATURE RATING: -75 DEG TO 650 DEG F AMOUNT: NO LESS THAN 3 OUNCES DESIGNED FOR: MAKING GASKETS FOR HIGH TEMP APPLICATIONS A.K.A: HIGH-TEMP RED RTV SILICONE	
6. WIRE BRUSH, SCRATCH	EA	1	MATERIAL: WOODEN HANDLE WITH STEEL WIRE BRUSH MATERIEL: OVERALL LENGTH: 7 1/2 INCHES TO 11 INCHES BRUSH MATERIEL EXPOSED LENGTH RANGE: 3/4 INCH TO 1 1/2 INCHES DESIGNED FOR: REMOVING RUST, SCALE, AND CORROSION FROM METALLIC SURFACES	
7. TAPE, INSULATING ELECTRICAL	ROLL	1	MATERIAL: VINYL/PLASTIC MOISTURE RESISTANT COLOR: BLACK WIDTH: 1/4 INCH NOMINAL LENGTH: 50 FEET MINIMUM ADHESIVE LOCATION: ONE SIDE ONLY ADHESIVE TYPE: PRESSURE SENSITIVE A.K.A: BLACK TAPE OR BLACK ELECTRICAL TAPE	

8. CLAMP, HOSE 4 INCH	EA	2	MATERIAL: CORROSION RESISTANT STEEL FASTENING DEVICE TYPE: SLOTTED HEXAGON HEAD SCREW WIDTH: $\frac{1}{2}$ INCH MINIMUM AND 9/16 INCH MAXIMUM MIN 4 1/2 INCH DIAMETER APPROXIMATE 44-95 MM LAWSON SIZE 52 MINIMUM CLAMPING DIAMETER: MIN 3 INCHES DIAMETER DESIGNED FOR: CLAMPING 4 INCH OUTSIDE DIAMETER HOSES, WORM DRIVE A.K.A: 4 INCH HOSE CLAMP, BAND TYPE CLIP
9. CLAMP, HOSE 3 INCH	EA	2	MATERIAL: CORROSION RESISTANT STEEL FASTENING DEVICE TYPE: SLOTTED HEXAGON HEAD SCREW WIDTH: $\frac{1}{2}$ INCH MINIMUM AND 9/16 INCH MAXIMUM APPROXIMATE 29-76MM IDEAL BRAND SIZE 40 MAXIMUM OPENING DIAMETER: 2 1/2 INCH DIAMETER DESIGNED FOR: CLAMPING 3 INCH OUTSIDE DIAMETER HOSES, WORM DRIVE A.K.A. 3 INCH HOSE CLAMP, BAND TYPE CLIP
10. CLAMP, HOSE 2 INCH	EA	2	MATERIAL: CORROSION RESISTANT STEEL FASTENING DEVICE TYPE: SLOTTED HEXAGON HEAD SCREW WIDTH: $\frac{1}{2}$ INCH MINIMUM AND 9/16 MAXIMUM APPROXIMATE MAXIMUM OPENING DIAMETER: 2 1/2 INCH DIAMETER DESIGNED FOR: CLAMPING 2 INCH OUTSIDE DIAMETER HOSES, WORM DRIVE A.K.A. 2 INCH HOSE CLAMP, BAND TYPE CLIP
11. CLAMP, HOSE $\frac{3}{4}$ "	EA	2	MATERIAL: CORROSION RESISTANT STEEL FASTENING DEVICE TYPE: SLOTTED HEXAGON HEAD SCREW MINIMUM $\frac{1}{2}$ " BAND TYPE CLIP WORM DRIVE
12. WIRE CONNECTOR, ORANGE	EA	10	FLAME RETARDANT THERMOPLASTIC SHELL FOR MAKING BRANCH CIRCUIT WIRE OR FIXTURE WIRE CONNECTIONS AWG RANGE: 22-14

- WIRE COMBINATIONS: (2) #18 MIN AND (3) #14 MAX
A.K.A.: ORANGE WIRE NUT
- FLAME RETARDANT THERMOPLASTIC SHELL
FOR MAKING BRANCH CIRCUIT WIRE OR FIXTURE WIRE CONNECTIONS
AWG RANGE: 22-14
WIRE COMBINATIONS: (3) #20 MIN AND (3) #16 MAX
A.K.A.: BLUE WIRE NUT
- MATERIAL: LIQUID OR SOLID
FOR SOLID: 20 GRAMS MINIMUM
FOR LIQUID: 6 OZ MINIMUM AND 14 OZ MAXIMUM
A.K.A.: RADIATOR STOP LEAK OR ALUMASEAL RADIATOR SEALER
SHALL BE FURNISHED WITH USAGE INSTRUCTIONS
- MATERIAL: COPPER CONDUCTOR WIRE WITHIN
AN INSULATING PLASTIC COMPOSITE SLEEVING
WIRE SIZE: 16 AWG
APPROXIMATE WIRE LENGTH: 100 FEET
APPROXIMATELY 19 CONDUCTORS OF 29 AWG WIRE WITHIN
SLEEVING TO GET A 16 AWG FLEXIBLE SHIELDED WIRE
VOLTAGE RATING: 600 VOLTS ROOT MEAN SQUARE
A.K.A.: 16 AWG PRIMARY ELECTRICAL WIRE
- KIT CONSISTING OF THE FOLLOWING: 1 PISTOL TYPE
METAL TIRE PLUG INSERTER THAT WILL
BE CAPABLE OF INSERTING BOTH 7/16 AND
3/8 MUSHROOM SHAPED RUBBER PLUGS.
THERE SHALL BE TWO ADAPTERS THAT WILL
SCREW ONTO THE END OF THE INSERTER GUN
TO ENABLE TWO DIFFERENT SIZES OF REPAIRS.
KIT SHALL CONTAIN 25 3/8" PLUGS AND
15 7/16" PLUGS. PLUGS SHALL COME WITH
PLASTIC INSERTION TIPS TO AID IN THE INSERTION
PROCESS OF THE RUBBER PLUG. COLOR OF
INSERTER GUN AND ADAPTERS SHALL BE BLACK.
KIT SHALL INCLUDE 8 OZ MINIMUM OF
VULCANIZING CEMENT. KIT SHALL CONTAIN A
SPIRAL PROBE TYPE HANDLE. BLADE LENGTH
- | | | | | | | |
|---|----|---------|---|--|--|--|
| 13. WIRE CONNECTOR , BLUE | EA | 10 | | | | |
| 14. LEAK PREVENTATIVE
COMPOUND, RADIATOR | EA | 3 | | | | |
| 15. WIRE, ELECTRICAL, 16 AWG | | SPOOL 1 | | | | |
| 16. REPAIR KIT, PUNCTURE,
PNEUMATIC TIRE | | KT | 1 | | | |

OF PROBE SHALL NOT EXCEED 5 INCHES IN LENGTH AND NO SHORTER THAN 4 INCHES IN LENGTH.

A.K.A. TIRE PLUG KIT

- | | | | | |
|---|----|---|---|--|
| 17. BELTING, V, ADJUSTABLE LINK | EA | 1 | ADJUSTABLE AUTOMOTIVE TYPE V BELT
CONTAINS LINKABLE PIECES TO MAKE ANY SIZE
BELT WITHOUT ANY ADDITIONAL TOOLS
SHALL BE FURNISHED WITH USAGE INSTRUCTIONS
SHALL BE USEABLE ON US ARMY COMBAT
MANEUVER EQUIPMENT & TACTICAL TRUCKS
8 FEET + OR - 3 INCHES | PN: 408030
CAGE: 76157
FENNER AMERICA INC
311 STIEGEL ST
MANHEIM, PA 17545
717-665-2421 |
| 18. BELZONA SUPER E METAL
(MANDATORY SOURCE) | PK | 2 | 2 PART BONDING/REBUILDING PUTTY
CONTAINS:
1-83 GRAM SUPER E METAL BASE PKG 1221
1-42 GRAM SUPER E METAL SOLIDIFIER PKG 1221
INSTRUCTIONS PROVIDED WITH/ON PACKAGES
MUST INCLUDE MATERIEL DATA SAFETY SHEET
(MSDS) | MANDATORY SOURCE
BELZONA INC.
SUPER E METAL
CAGE: 67020
BELZONA INC.
2000 NW 88 TH CT
MIAMI, FL 33172
305-594-4994 |
| 19. BELZONA ELASTOMER
(MANDATORY SOURCE) | PK | 2 | 2 PART BONDING/REBUILDING PUTTY
CONTAINS:
1-37 GRAM ELASTOMER BASE PKG 2311
1-38 GRAM ELASTOMER SOLIDIFIER PKG 2311
INSTRUCTIONS PROVIDED WITH/ON PACKAGES
MUST INCLUDE MSDS | MANDATORY SOURCE
BELZONA INC.
ELASTOMER
CAGE: 67020
BELZONA INC.
2000 NW 88 TH CT
MIAMI, FL 33172
305-594-4994 |
| 20. BELZONA CLEANER/DEGREASER CAN
(MANDATORY SOURCE) | | 1 | 1 PINT CAN OF BELZONA 9111 CLEANER
INSTRUCTIONS WITH/ON CAN
MUST INCLUDE MSDS | MANDATORY SOURCE
BELZONA INC.
CLEANER/DEGREASER
CAGE: 67020
BELZONA INC.
2000 NW 88 TH CT
MIAMI, FL 33172 |

305-594-4994

21. BELZONA CONDITIONER
(MANDATORY SOURCE)
CAN 1
1 CAN, NT WEIGHT 125 GRAMS OF
BELZONA 2911 ELASTOMER Q.D. CONDITIONER
INSTRUCTIONS WITH/ON CAN
MUST INCLUDE MSDS
22. SPATULAS
EA 3
3 TYPES OF SPATULAS AS PROVIDED WITH
BELZONA PRODUCTS POLYMERS
23. STRETCH TAPE
ROLL 1
STRETCH SEALING TAPE
DIMENSIONS: 1 1/4 TO 1 3/4 INCHES WIDE X 5 FT (MIN)
LONG X .145 TO .165 INCH THICK
FLAME RETARDANT - P153 MSHA
MOISTURE AND CHEMICAL RESISTANT
STRETCHABLE TO OVER 300% (OVER 15 FT)
ADHESIVE LOCATION: ONE SIDE
ADHESIVE TYPE: PRESSURE SENSITIVE
DESIGNED TO STRETCH AND SEAL CRACKS
IN METALS AND PLASTIC
SHALL INCLUDE INSTRUCTIONS FOR USE
24. BATTERY CONNECTOR
EA 2
PN: 221-4-3000
HERCU-STRETCH
DYNA SYSTEMS
PARTSMASTER COMP.
P.O. BOX 655326
DALLAS TX 75265
1-800-336-0450
BATTERY CONNECTOR, HEAVY DUTY, FOR
USE ON TOP POST BATTERIES. ALLOWS
FOR CLAMPING OF UP TO 4 AUGHT (0000)
SIZE BATTERY CABLE TO CONNECTOR AND
SUBSEQUENT CONNECTOR TO POSITIVE/
NEGATIVE POST OF BATTERY POST,
UTILIZES NUT AND BOLT CLAMPING
DESIGN.
A.K.A. TOP POST HEAVY DUTY BATTERY
CONNECTOR
- MANDATORY SOURCE
BELZONA INC.
ELASTOMER Q.D.
CONDITIONER
CAGE: 67020
BELZONA INC.
2000 NW 88TH CT
MIAMI, FL 33172
305-594-4494

25. GLOVES, LATEX, DISPOSABLE	PAIR	5	COMMON LATEX DISPOSABLE GLOVES, UNIVERSAL A.K.A.: DISPOSABLE LATEX GLOVES
26. RESPIRATOR, AIR FILTERING	EA	5	WHITE DISPOSABLE FACE MASK FILTER MASK MATERIAL: FIBER MASK TYPE: HALF FACEPIECE SECURING MECHANISM: ELASTIC BAND SUITABLE FOR DUSTY ENVIRONMENTS A.K.A.: DUST MASK
27. COMPONENTS LIST LABEL	EA	1	ONE LAMINATED COMPONENTS LIST LAMINATED TO BE WEATHER RESISTANT. COMPONENTS LIST SHALL CONTAIN ALL THE COMPONENTS OF THE BDAR KIT.
28. CABLE TIES, NYLON	EA	20	MATERIAL: UV NYLON COLOR: BLACK WIDTH: $\frac{1}{4}$ INCH MINIMUM AND $\frac{1}{2}$ INCH MAXIMUM LENGTH: 14 INCHES NOMINAL SELF LOCKING AND WEATHER RESISTANT MINIMUM LOOP TENSILE: 120 LBS
29. WIRE CONNECTOR, YELLOW	EA	10	FLAME RETARDANT THERMOPLASTIC SHELL FOR MAKING BRANCH CIRCUIT WIRE OR FIXTURE WIRE CONNECTIONS AWG RANGE: 18-10 WIRE COMBINATIONS: (1) #14 W/(2) #18 MIN AND (1) #10 W/(2) #14 MAX A.K.A.: YELLOW WIRE NUT
30. CONTAINER, SMALL PARTS	EA	1	MATERIAL: PLASTIC/NYLON DESIGNED FOR: COMPARTMENTALIZED CONTAINER TO HOLD SMALL ITEMS LENGTH: 4-6 INCHES WIDTH: 2-6 INCHES HEIGHT: 1-3 INCHES COLOR: ANY ACCEPTABLE LOCKING DEVICE: ANY ACCEPTABLE
31. BELZONA METAL PLUG STICK (MANDATORY SOURCE)	EA	2	APPROX 1 LB STICK BELZONA 1291 STICK 140 GRAMS
			MANDATORY SOURCE BELZONA INC.

LENGTH 8 INCHES
WIDTH: 1 INCH
INSTRUCTIONS PROVIDE WITH/ON PACKAGE
MUST INCLUDE MSDS (IF APPLICABLE)

CAGE: 67020
BELZONA INC.
2000 NW 88TH CT
MIAMI, FL 33172
305-594-4994

32. BELZONA RELEASING AGENT
(MANDATORY SOURCE)

EA 1

1 CAN CONTAINING 100 GRAMS
BELZONA 9411 RELEASE AGENT
HEIGHT: APPROX 3 INCHES
WIDTH: APPROX 2 ½ INCHES
INSTRUCTIONS PROVIDE WITH/ON PACKAGE
MUST INCLUDE MSDS

MANDATORY SOURCE
BELZONA INC.
CAGE: 67020
BELZONA INC.
2000 NW 88TH CT
MIAMI, FL 33172
305-594-4994

33. BELZONA REINFORCE TAPE
(MANDATORY SOURCE)

EA 1

1 METER LONG OF MESH
BELZONA 9341 REINFORCEMENT TAPE
INSTRUCTIONS SHALL BE PROVIDED

INSTRUCTIONS PROVIDE WITH/ON PACKAGE
MUST INCLUDE MSDS (IF APPLICABLE)

MANDATORY SOURCE
BELZONA INC.
CAGE: 67020
BELZONA INC.
2000 NW 88TH CT
MIAMI, FL 33172
305-594-4994

34. TAPE, ALUMINUM

ROLL 1

MATERIAL: ALUMINUM OVERALL
COLOR: SILVER OVERALL
WATER RESISTANT
MINIMUM TENSILE STRENGTH: 30 LBS/SQ IN.
LENGTH: 60 YARDS MINIMUM – This will waived for
The Crew prototype.
TAPE WIDTH: 2 INCHES
TAPE THICKNESS: .0050 INCHES NOMINAL
TEMP RATING: -65 DEG G MINIMUM AND 300 DEG F MAX
ADHESIVE LOCATION: ONE SIDE
ADHESIVE TYPE: PRESSURE SENSITIVE
CERTIFICATE OF CONFORMANCE

GSA: 7510-00-684-8803

35. CLOTH TAPE

ROLL 1

MATERIAL: POLYETHYLENE COATED CLOTH TAPE
NATIONAL INDUS-

RUBBER BASED ADHESIVE USED FOR HIGH-STRENGTH TRIES FOR BLIND,
AND MOISTURE RESISTANCE APPLICATIONS JWOD
WDTH: 2 INCHES NOMINAL 5640-00-NIB-0005
LENGTH: 15 YARDS MINIMUM
COLOR: OLIVE DRAB (O.D. GREEN), SILVER-GRAY, BLACK
ADHESIONS TO STEEL 40 OZ/IN. WIDTH
TENSILE: 25 LBS/IN WIDTH MINIMUM
TAPE THICKNESS: 8mil-15mil

36. WIRE CONNECTOR, GRAY EA 10 FLAME RETARDANT THERMOPLASTIC SHELL
FOR MAKING BRANCH CIRCUIT WIRE OR FIXTURE WIRE CONNECTIONS
AWG RANGE: 22-16
WIRE COMBINATIONS: (1) #20 W/(1) #22 MIN AND (2) #16
A.K.A.: GRAY WIRE NUT
37. BDAR TAGS EA 5 DEPARTMENT OF DEFENSE FORM (DD FORM 1577)
UNSERVICEABLE (CONDEMNED) TAG - MATERIEL WITH STRING
38. ANTISEIZE TAPE ROLL 1 UNFUSED PLASTIC FILM MADE OF PTFE RESIN
CHEMICALLY INERT AND CONFORMABLE.
SEALS GAS UP TO 10,000 PSI. SEALS LIQUID UP
TO 2,000 PSI. REF MIL SPEC T-27730 OR INDUSTRIAL
NON-FLAMMABLE. WIDTH: $\frac{1}{2}$ INCH NOMINAL.
LENGTH: NO LESS THAN 20 FEET
A.K.A. TEFLON TAPE.

NOTES:

1. THIS COMPONENTS LIST (TRI001CL) IS TO BE UTILIZED WITH DESCRIPTION FOR PURCHASE TRI001 (DFP-TRI001) FOR A KIT, BATTLE DAMAGE ASSESSMENT & REPAIR (BDAR), CREW.
2. BOTH THIS COMPONENTS LIST DOCUMENT AND DFP-TRI001 WERE DEVELOPED BY CAGE 19207. ADDRESS IS:

U.S. TANK-AUTOMOTIVE AND ARMAMENTS COMMAND
ROCK ISLAND ARSENAL SITE
ATTN: AMSTA-LC-CTT
ROCK ISLAND, IL 61299-7630
(309) 782-2759
(309) 782-5107

(309) 782-4765

NSN: 5180-01-502-9507
COMPONENTS LIST (TRI002CL) (CAGE: 19207)

FOR
KIT, BATTLE DAMAGE ASSESSMENT & REPAIR (BDAR),
MAINTAINER (21 FEBRUARY 2003)

NOMENCLATURE	UI	QTY	CHARACTERISTICS	KNOWN SOURCES
1. BOX, TOOL	EA	1	MATERIAL: PLASTIC DIMENSIONS NOT TO EXCEED: 12 INCHES HIGH, 26 INCHES LONG, 12 INCHES WIDE COLOR: GRAY,BLACK OR OLIVE DRAB GREEN WITH CARRYING HANDLE(S) 1 INTERNAL TRAY WEIGHT: NOT TO EXCEED 8 LBS.	PN: 8260GY-4 STRUCTURAL FOAM HAND AND POWER BOX CONTICO 305 ROCK INDUSTRIAL PARK ROAD ST. LOUIS, MO 63044 1-800-831-7077
2. WIRE, NON ELECTRICAL			SPOOL <1&1/2 lb	MATERIAL: STAINLESS STEEL IAW ASTM A580 COMPOSITION 302 AND A CONDITION DIAMETER: .020 - .040 INCHES LENGTH: 350 - 1000 feet A.K.A: STAINLESS STEEL SAFETY LOCK WIRE NOT TO EXCEED 1.5 LBS.
3. PUTTY, REPAIR	EA	1	1-BOTTLE, PUTTY, NO LESS THAN 8 OZ, DESIGNED FOR FIBERGLASS, ALUMINUM AND STEEL REPAIR LIGHT SENSITIVE RESIN SHALL BE FURNISHED WITH USAGE INSTRUCTIONS SHALL BE FURNISHED WITH MSDS (IF APPLICABLE)	PN: 7020 (PUTTY ONLY) CAGE: 0BP49 SUNREZ CORP. 392 COOGAN WAY SUITE C EL CAJON, CA 92020 619-442-3353
4. SEALING COMPOUND			TUBE 1	MATERIAL: SILICON COLOR: BLUE TEMPERATURE RATING: -65 DEG TO 500 DEG F AMOUNT: NO LESS THAN 3 OUNCES

A Hachmeit 009

DESIGNED FOR: MAKING GASKETS
A.K.A: BLUE RTV SILICONE

5. SEALING COMPOUND

TUBE 1

MATERIAL: SILICON
COLOR: RED

TEMPERATURE RATING: -75 DEG TO 650 DEG F
AMOUNT: NO LESS THAN 3 OUNCES
DESIGNED FOR: MAKING GASKETS
FOR HIGH TEMP APPLICATIONS
A.K.A: HIGH-TEMP RED RTV SILICONE

6. WIRE BRUSH, SCRATCH

EA 1

MATERIAL: WOODEN HANDLE WITH STEEL
WIRE BRUSH MATERIEL.

OVERALL LENGTH: 7 1/4 INCHES TO 11 INCHES
BRUSH MATERIEL EXPOSED LENGTH RANGE:
3/4 INCH TO 1 1/2 INCHES
DESIGNED FOR: REMOVING RUST, SCALE, AND
CORROSION FROM METALLIC SURFACES

7. TAPE, INSULATING ELECTRICAL

ROLL 1

MATERIAL: VINYL/PLASTIC MOISTURE RESISTANT
COLOR: BLACK

WIDTH: 3/4 INCH NOMINAL
LENGTH: 50 FEET MINIMUM
ADHESIVE LOCATION: ONE SIDE ONLY
ADHESIVE TYPE: PRESSURE SENSITIVE
A.K.A: BLACK TAPE OR BLACK ELECTRICAL TAPE

8. TAPE, ALUMINUM

ROLL 1

MATERIAL: ALUMINUM OVERALL
COLOR: SILVER OVERALL

WATER RESISTANT
MINIMUM TENSILE STRENGTH: 25 LBS/SQ IN.
LENGTH: 60 YARDS MINIMUM
TAPE WIDTH: 2 INCHES nominal
TAPE THICKNESS: .0050 INCHES nominal
TEMP RATING: -65 DEG F MINIMUM AND 300. DEG F MAX
ADHESIVE LOCATION: ONE SIDE
ADHESIVE TYPE: PRESSURE SENSITIVE
CERTIFICATE OF CONFORMANCE

9. CLAMP, HOSE 2 INCH

EA 2

MATERIAL: CORROSION RESISTANT STEEL

GSA LAMART CORP.
NSN: 7510-00-684-8803
PN: 213-2

			FASTENING DEVICE TYPE: SLOTTED HEXAGON HEAD SCREW WIDTH: $\frac{1}{2}$ INCH MINIMUM AND 9/16 INCH MAXIMUM APPROXIMATE DESIGNED FOR: CLAMPING 2 INCH OUTSIDE DIAMETER HOSES, WORM DRIVE A.K.A. 2 INCH HOSE CLAMP, BAND TYPE CLIP
10.	CLAMP, HOSE 4 INCH	EA	2
			MATERIAL: CORROSION RESISTANT STEEL FASTENING DEVICE TYPE: SLOTTED HEXAGON HEAD SCREW WIDTH: $\frac{1}{2}$ INCH MINIMUM AND 9/16 INCH MAXIMUM MIN 4 1/2 INCH DIAMETER APPROXIMATE 44-95MM LAWSON Size 52 DESIGNED FOR: CLAMPING 4 INCH OUTSIDE DIAMETER HOSES, WORM DRIVE A.K.A: 4 INCH HOSE CLAMP, BAND TYPE CLIP
11.	CLAMP, HOSE 3 INCH	EA	2
			MATERIAL: CORROSION RESISTANT STEEL FASTENING DEVICE TYPE: SLOTTED HEXAGON HEAD SCREW WIDTH: $\frac{1}{2}$ INCH MINIMUM AND 9/16 INCH MAXIMUM APPROXIMATE 29-76MM ideal Brand Size 40 DESIGNED FOR: CLAMPING 3 INCH OUTSIDE DIAMETER HOSES, WORM DRIVE A.K.A. 3 INCH HOSE CLAMP, BAND TYPE CLIP
12.	CLAMP, HOSE $\frac{3}{4}$ "	EA	2
			MATERIAL: CORROSION RESISTANT STEEL FASTENING DEVICE TYPE: SLOTTED HEXAGON HEAD SCREW MINIMUM $\frac{1}{2}$ " BAND TYPE CLIP
13.	WIRE CONNECTOR, ORANGE	EA	10
			FLAME RETARDANT THERMOPLASTIC SHELL FOR MAKING BRANCH CIRCUIT WIRE OR FIXTURE WIRE CONNECTIONS AWG RANGE: 22-14 WIRE COMBINATIONS: (2) #18 MIN AND (3) #14 MAX A.K.A: ORANGE WIRE NUT
14.	WIRE CONNECTOR , BLUE	EA	10
			FLAME RETARDANT THERMOPLASTIC SHELL

FOR MAKING BRANCH CIRCUIT WIRE OR FIXTURE WIRE CONNECTIONS

AWG RANGE: 22-14
WIRE COMBINATIONS: (3) #20 MIN AND (3) #16 MAX
A.K.A: BLUE WIRE NUT

15. LEAK PREVENTATIVE
COMPOUND, RADIATOR

EA

3

MATERIAL: LIQUID OR SOLID

FOR SOLID: 20 GRAMS MINIMUM

FOR LIQUID: 6 OZ MINIMUM AND 14 OZ MAXIMUM
WITH USAGE INSTRUCTIONS PROVIDED
A.K.A: RADIATOR STOP LEAK OR ALUMASEAL RADIATOR SEALER

16. WIRE, ELECTRICAL, 16 AWG

SPOOL

1

MATERIAL: COPPER CONDUCTOR WIRE WITHIN
AN INSULATING PLASTIC COMPOSITE SLEEVING

WIRE SIZE: 16 AWG

APPROXIMATE WIRE LENGTH: 100 FEET
APPROXIMATELY 19 CONDUCTORS OF 29 AWG WIRE WITHIN
SLEEVING TO GET A 16 AWG FLEXIBLE SHIELDED WIRE
VOLTAGE RATING: 600 VOLTS ROOT MEAN SQUARE
A.K.A: 16 AWG PRIMARY ELECTRICAL WIRE

17. REPAIR KIT, PUNCTURE,
PNEUMATIC TIRE

KT

1

KIT CONSISTING OF THE FOLLOWING:

1 PISTOL TYPE METAL TIRE PLUG
INSERTER THAT WILL BE CAPABLE OF INSERTING
BOTH 7/16 AND 3/8 MUSHROOM SHAPED RUBBER
PLUGS. THERE SHALL BE TWO ADAPTERS THAT WILL
SCREW ONTO THE END OF THE INSERTER GUN TO
ENABLE TWO DIFFERENT SIZES OF REPAIRS. KIT
SHALL CONTAIN 25 3/8" PLUGS AND 15 7/16" PLUGS.
PLUGS SHALL COME WITH PLASTIC INSERTION
TIPS TO AID IN THE INSERTION PROCESS OF THE
RUBBER PLUG. COLOR OF INSERTER GUN AND
ADAPTERS SHALL BE BLACK. KIT SHALL INCLUDE
8 OZ. MINIMUM VULCANIZING CEMENT. KIT SHALL
CONTAIN A SPIRAL PROBE TYPE HANDLE. BLADE LENGTH
OF PROBE SHALL NOT EXCEED 5 INCHES IN LENGTH
AND NO SHORTER THAN 4 INCHES IN LENGTH.

18. BELTING, V, ADJUSTABLE LINK

EA

1

ADJUSTABLE AUTOMOTIVE TYPE V BELT

PN: 408030

CONTAINS LINKABLE PIECES TO MAKE ANY SIZE
BELT WITHOUT ANY ADDITIONAL TOOLS
SHALL INCLUDE INSTRUCTIONS FOR USE
8 FEET + OR - 3 INCHES

CAGE: 76157
FENNER AMERICA INC.
311 STIEGEL ST
MANHEIM, PA 17545
717-665-2421.

19. BELZONA SUPER E METAL
(MANDATORY SOURCE)

PK 3

2 PART BONDING/REBUILDING PUTTY
CONTAINS:
1-83 GRAM SUPER E METAL BASE PKG 1221
1-42 GRAM SUPER E METAL SOLIDIFER PKG 1221
INSTRUCTIONS PROVIDED WITH/ON PACKAGES
MUST INCLUDE MATERIEL DATA SAFETY SHEET
(MSDS)

20. BELZONA ELASTOMER
(MANDATORY SOURCE)

PK 3

2 PART BONDING/REBUILDING PUTTY
CONTAINS:
1-37 GRAM ELASTOMER BASE PKG 2311
1-38 GRAM ELASTOMER SOLIDIFIER PKG 2311
INSTRUCTIONS PROVIDED WITH/ON PACKAGES
MUST INCLUDE MSDS

21. BELZONA SUPER METAL
(MANDATORY SOURCE)

KT 1

BONDING/REBUILDING PUTTING
UNIT CONTAINS 2 PART MIX
ONE PART BASE, THREE PARTS SOLIDIFIER
KIT HAS ONE TUB OF BASE AND ONE TUB
OF SOLIDIFIER
INSTRUCTIONS PROVIDED WITH/ON PACKAGES
MUST INCLUDE MSDS
333 GRAMS CONTAINER WEIGHT

22. BELZONA CLEANER/DEGREASER CAN
(MANDATORY SOURCE)

1

1 PINT CAN OF BELZONA 9111 CLEANER
INSTRUCTIONS WITHIN CAN
MUST INCLUDE MSDS

MANDATORY SOURCE
BELZONA INC.
CLEANER/DEGREASER
CAGE: 67020

- BELZONA INC.
2000 NW 88TH CT
MIAMI, FL 33172
305-594-4994
- MANDATORY SOURCE
BELZONA INC.
ELASTOMER Q.D.
CONDITIONER.
CAGE: 67020
BELZONA INC.
2000 NW 88TH CT
MIAMI, FL 33172
305-594-4494
- MANDATORY SOURCE
BELZONA INC.
CAGE: 67020
BELZONA INC.
2000 NW 88TH CT
MIAMI, FL 33172
305-594-4494
- MANDATORY SOURCE
BELZONA INC.
CAGE: 67020
BELZONA INC.
2000 NW 88TH CT
MIAMI, FL 33172
305-594-4494
- 1 CAN, NT WEIGHT 125 GRAMS OF
BELZONA 2911 ELASTOMER Q.D. CONDITIONER
INSTRUCTIONS WITH/ON CAN
MUST INCLUDE MSDS
- 1 CAN, NT WEIGHT 100 GRAMS OF
BELZONA 9411 RELEASE AGENT
INSTRUCTIONS WITH/ON CAN
MUST INCLUDE MSDS
- 1 METER OF MESH
BELZONA 9341 REINFORCEMENT TAPE
INSTRUCTIONS PROVIDED
MUST INCLUDE MSDS IF APPLICABLE
- 2 TUBES OF 140 GRAMS OF
BELZONA 1291 STICK
INSTRUCTIONS WITH/ON TUBE
MUST INCLUDE MSDS IF APPLICABLE
- CAN 1
(MANDATORY SOURCE)
- CAN 1
(MANDATORY SOURCE)
- MESH 1
(MANDATORY SOURCE)
- TUBE 2
(MANDATORY SOURCE)

27. SPATULAS	EA	3	3 TYPES OF SPATULAS AS PROVIDED WITH BELZONA PRODUCTS POLYMERS	
28. STRETCH TAPE	ROLL	1	<p>STRETCH SEALING TAPE DIMENSIONS: 1 ¼ TO 1 ¾ INCHES WIDE X 5 FT (MIN) LONG X .145 TO .165 INCH THICK FLAME RETARDANT – P153 MSHA MOISTURE AND CHEMICAL RESISTANT STRETCHABLE TO OVER 300% (OVER 15 FT) ADHESIVE LOCATION: ONE SIDE ADHESIVE TYPE: PRESSURE SENSITIVE DESIGNED TO STRETCH AND SEAL CRACKS IN METALS AND PLASTIC INSTRUCTIONS FOR USAGE SHALL BE PROVIDED</p>	<p>PN: 2214-3000 HERCU-STRETCH DYNA SYSTEMS PARTSMASTER COMP. P.O. BOX 655326 DALLAS TX 75265 1-800-336-0450</p>
29. BATTERY CONNECTOR	EA	2	BATTERY CONNECTOR, HEAVY DUTY FOR USE ON TOP POST BATTERIES. ALLOWS FOR CLAMPING OF UP TO 4 AUGHT (0000) SIZE BATTERY CABLE TO CONNECTOR TO POSITIVE/NEGATIVE POST OF BATTERY POST, UTILIZES NUT AND BOLT CLAMPING DESIGN A.K.A. TOP POST HEAVY DUTY BATTERY CONNECTOR	
30. GLOVES, LATEX, DISPOSABLE	PAIR	5	COMMON LATEX DISPOSABLE GLOVES, UNIVERSAL	A.K.A: DISPOSABLE LATEX GLOVES
31. RESPIRATOR, AIR FILTERING	EA	5	WHITE DISPOSABLE FACE MASK FILTER MASK MATERIEL: FIBER MASK TYPE: HALF FACEPIECE SECURING MECHANISM: ELASTIC BAND SUITABLE FOR DUSTY ENVIRONMENTS A.K.A: DUST MASK	
32. COMPONENTS LIST LABEL	EA	1	ONE MOISTURE AND SOLVENT RESISTANT COMPONENTS LIST LABEL TO BE WEATHER RESISTANT & ADHESIVE, PERMANENTLY AFFIXED.	

COMPONENTS LIST SHALL CONTAIN
ALL THE COMPONENTS OF THE BDAR KIT.

33. WIRE, ELECTRICAL, 22 AWG	SPOOL 1		MATERIAL: COPPER CONDUCTOR WIRE WITHIN AN INSULATING PLASTIC COMPOSITE SLEEVING WIRE SIZE: 22 AWG APPROXIMATE WIRE LENGTH: 50 FEET INSULATING SLEEVE COLOR: N/A MULTIPLE CONDUCTORS WITHIN SLEEVING TO GET A 22 AWG FLEXIBLE SHIELDED WIRE VOLTAGE RATING: 600 VOLTS ROOT MEAN SQUARE A.K.A: 22 AWG PRIMARY ELECTRICAL WIRE
34. WIRE CONNECTOR, YELLOW	EA	10	FLAME RETARDANT THERMOPLASTIC SHELL FOR MAKING BRANCH CIRCUIT WIRE OR FIXTURE WIRE CONNECTIONS AWG RANGE: 18-10 WIRE COMBINATIONS: (1) #14 W/(2) #18 MIN AND (1) #10 W/(2) #14 MAX A.K.A: YELLOW WIRE NUT
35. CABLE TIES, NYLON	EA	20	MATERIAL: UV NYLON COLOR: BLACK WIDTH: $\frac{1}{4}$ INCH MINIMUM AND $\frac{1}{2}$ INCH MAXIMUM LENGTH: 14 INCHES NOMINAL SELF LOCKING AND WEATHER RESISTANT MINIMUM LOOP TENSILE: 120 LBS
36. CONTAINER, SMALL PARTS	EA	1	MATERIAL: PLASTIC/NYLON DESIGNED FOR: COMPARTMENTALIZED CONTAINER TO HOLD SMALL ITEMS LENGTH: 4-6 INCHES WIDTH: 2-6 INCHES HEIGHT: 1-3 INCHES COLOR: ANY ACCEPTABLE LOCKING DEVICE: ANY ACCEPTABLE
37. STATIC DISCHARGE WRIST GND	EA	1	STATIC DISCHARGE WRIST GROUND ADJUSTABLE WRIST BAND CORD LENGTH NOT LESS THAN 5 FEET

CLAMPING END STYLE: ALLIGATOR CLIP & SNAP
DESIGNED TO GROUND MAINTENANCE PERSONNEL
TO WORK TO PREVENT UNWANTED STATIC DISCHARGE
USED FOR ELECTRICAL APPLICATIONS SUCH AS COMPUTERS
AND CIRCUIT BOARDS
MUST BE REUSEABLE
A.K.A: STATIC WRIST STRAP

38. CLOTH TAPE	ROLL 1	MATERIAL: POLYETHYLENE COATED CLOTH TAPE RUBBER BASED ADHESIVE USED FOR HIGH-STRENGTH AND MOISTURE RESISTANCE APPLICATIONS WIDTH: 2 INCHES NOMINAL LENGTH: 60 YARDS MINIMUM COLOR: OLIVE DRAB (O.D. GREEN), SILVER-GREY, OR BLACK ADHESIONS TO STEEL .40 OZ./IN. WIDTH TENSILE: 25 LBS./IN WIDTH MINIMUM TAPE THICKNESS: .8ML-.15ML	GSA: 5640-00-103-2254
39. ANTISIEZE TAPE	ROLL 1	UNFUSED PLASTIC FILM MADE OF PTFE RESIN CHEMICALLY INERT AND CONFORMABLE SEALS GAS UP TO 10,000 PSI. SEALS LIQUID UP TO 2,000 PSI. REF MIL SPEC T-27730 OR INDUSTRIAL NON-FLAMMABLE. WIDTH: $\frac{1}{2}$ INCH NOMINAL LENGTH: NO LESS THAN 20 FEET A.K.A. TEFLON TAPE	
40. WIRE CONNECTOR, GRAY	EA 10	FLAME RETARDANT THERMOPLASTIC SHELL FOR MAKING BRANCH CIRCUIT WIRE OR FIXTURE WIRE CONNECTIONS AWG RANGE: 22-16 WIRE COMBINATIONS: (1) #20 W/(1) #22 MIN AND (2) #16	
41. BDAR TAGS	EA 5	DEPARTMENT OF DEFENSE FORM (DD FORM 1577) UNSERVICEABLE (CONDENMED) TAG - MATERIEL WITH STRING	
42. HYDRAULIC/FUEL LINE FITTINGS UNION 3/16	EA 2	MATERIEL: BRASS TO ALLOW JOINING OF DAMAGED/SEVERED METALLIC HYDRAULIC OR FUEL LINE COMPRESSION TYPE UNION THAT ELIMINATES NEED TO FLARE, SOLDER, OR OTHERWISE PREPARE TUBE PRIOR TO ASSEMBLY	

UNION CONTAINS 1 CENTER SECTIONS, 2 COMPRESSION SLEEVES AND
2 TIGHTENING NUTS.
ACCOMMODATES 3/16 INCH OUTSIDE DIAMETER METALLIC TUBE.

43. HYDRAULIC/FUEL LINE FITTINGS UNION 1/4
EA 2 MATERIEL: BRASS TO ALLOW JOINING OF DAMAGED/SEVERED METALLIC HYDRAULIC OR FUEL LINE
COMPRESSSION TYPE UNION THAT ELIMINATES NEED TO FLARE, SOLDER, OR OTHERWISE PREPARE TUBE PRIOR TO ASSEMBLY
UNION CONTAINS 1 CENTER SECTIONS, 2 COMPRESSION SLEEVES AND
2 TIGHTENING NUTS.
ACCOMMODATES 1/4 INCH OUTSIDE DIAMETER METALLIC TUBE.
44. HYDRAULIC/FUEL LINE FITTINGS UNION 5/16
EA 2 MATERIEL: BRASS TO ALLOW JOINING OF DAMAGED/SEVERED METALLIC HYDRAULIC OR FUEL LINE
COMPRESSSION TYPE UNION THAT ELIMINATES NEED TO FLARE, SOLDER, OR OTHERWISE PREPARE TUBE PRIOR TO ASSEMBLY
UNION CONTAINS 1 CENTER SECTIONS, 2 COMPRESSION SLEEVES AND
2 TIGHTENING NUTS.
ACCOMMODATES 5/16 INCH OUTSIDE DIAMETER METALLIC TUBE.
45. HYDRAULIC/FUEL LINE FITTINGS UNION 3/8
EA 2 MATERIEL: BRASS TO ALLOW JOINING OF DAMAGED/SEVERED METALLIC HYDRAULIC OR FUEL LINE
COMPRESSSION TYPE UNION THAT ELIMINATES NEED TO FLARE, SOLDER, OR OTHERWISE PREPARE TUBE PRIOR TO ASSEMBLY
UNION CONTAINS 1 CENTER SECTIONS, 2 COMPRESSION SLEEVES AND
2 TIGHTENING NUTS.
ACCOMMODATES 3/8 INCH OUTSIDE DIAMETER METALLIC TUBE.

NOTES:

1. THIS COMPONENTS LIST (TRJ002CL) IS TO BE UTILIZED WITH DESCRIPTION FOR PURCHASE TRJ002 (DFP-TRJ002) FOR A KIT, BATTLE DAMAGE ASSESSMENT & REPAIR (BDAR), MAINTAINER.
2. BOTH THIS COMPONENTS LIST DOCUMENT AND DFP-TRJ002 WERE DEVELOPED BY CAGE 19207. ADDRESS IS:

U.S. TANK-AUTOMOTIVE AND ARMAMENTS COMMAND
ROCK ISLAND ARSENAL SITE
ATTN: AMSTA-LC-CIT
ROCK ISLAND, IL 61299-7630
(309) 782-2759
(309) 782-5107
(309) 782-4765